

Fig. 2a.1

HUMAN
Macaque
Bovine
Pig
Dog
Rabbit
Tree shrew
Mouse
Rat
Eur. Hedgehog
Chicken
Jap. quail
Domestic duck
Rainbow trout
Brown trout
Atl. salmon
Zebrafish
Sea bream

MKAAVLTTLAVLFLTGSQARHFQQDEPPQSPWDRVKDLATVYVDVLKDSGRDYSQFEES
MKATVLTTLAVLFLTGSQARHFQQDEPPQTPWDRVKDLVTVYVEALKDSGKDYVSQFEES
MKAVVLTTLAVLFLTGSQARHFQQDDP-QSSWDRVKDFATVYVEAIKDSGRDYVAQFEAS
MKAVVLTTLAVLFLTGSQARHFQQDDP-QSPWDRVKDFATVYVDAIKDSGRDYVAQFEAS
MKAALLTLAVLFLTGSQARHFQQDEP-QSPWDRVKDLATVYVDAVKDSGRDYVAQFEAS
MKAVVLTTLAVLFLTGSQARHFQORDEP-RSSWDKIKDFATVYVDTVKDSGREYVAQFEAS
MKAVVLTTLAVLFLTGSQARHFQQDEP-QSSWDRVRDLANVYVDAVKESGREYVSQLEAS
MKAVVLAVALVFLTGSQAWHVWQQDEP-QSQWDKVKDFANVYVDAVKDSGRDYSQFEES
MKAVALAVALVFLTGCQAWFEWQQDEP-QSQWDRVKDFATVYVDAVKDSGRDYSQFEES
-----DEA-KSYWDQIKDMLTVYVDTAKDSGKDYLTSLDTS
MRGVLVLTTLAVLFLTGTQARSFQWHDPE-QTPLDRIRDMVDVYLETVKASGKDAIAQFEES
MRGVLVLTTLAVLFLTGTQARSFQWHDPE-QTPLDRIRDMVDVYLETVKASGKDAISQFEES
MRVVVLTALLFLTGTQARYFQWHDPE-QAPLDRRLDLVDVYLETVKASGKDAIAQFEAS
MKFLALALTILLAAQTQAFP-MQADAP--SQLEHVKAALSMYIAQVKLTAQRSIDLDDT
MKFLALALTILLAAATQAVP-MQADAP--SQLEHVKVAMMEYMAQVKETGQRSIDLDDT
MKFLVLTALLAAQTQAFP-MQADAP--SQLEHVKAALNMYIAQVKLTAQRSIDLDDT
MKFVALALTLLALGSQANL-FQADAP--TQLEHYKAAALVYLNQVKDQAEKALDNLDGT
MKFAALALALLAVGSHAAS-MQADAP--SQLDHARAVLDVYLTQVKDMSLRVNLQDDP
* . : :: : * : * . : :: .

HUMAN
Macaque
Bovine
Pig
Dog
Rabbit
Tree shrew
Mouse
Rat
Eur. Hedgehog
Chicken
Jap. quail
Domestic duck
Rainbow trout
Brown trout
Atl. salmon
Zebrafish
Sea bream

ALGKQLNLKLLDNWDSVTSTFSKLEQLGPVTQEFWDNLEKETEGLRQEMSKDLEEVKAK
ALGKQLNLKLLDNWDSVTSTVSKLEQLGPVTQEFWDNLEKETEGLRQEMSKDLEEVKAK
ALGKQLNLKLLDNWDTLASTLSKVREQLGPVTQEFWDNLEKETASLRQEMHKDLEEVKQK
ALGKHLNLKLLDNWDSLGSTFTKVREQLGPVTQEFWDNLEKETALRQEMSKDLEEVKKK
ALGKQLNLKLLDNWDSLSSTVTKLEQIGPVTQEFWDNLEKETEVLRQEMSKDLEEVKQK
AFGKQLNLKLLDNWDSLSSTVSKLQEQLGPTQEFWDNLEKETEGLRQEMSKDLEEVKQK
ALGKQLNLKLVNDWDTLGSTFQKVHEHLGPVAQEFWEKLEKETEEELRREINKDLEEVKQK
SLGQQLNLNLLNWDWDTLGSTVSQQLERLGPLTRDFWDNLEKETDWRQEMNKDLEEVKQK
TLGKQLNLNLLDNWDTLGSTVGRQLQEQLGPTQEFWANLEKETDWRNEMNKDLEENVKQK
ALGQQLNKKLADNWDVTSSALLKAREQMKPIAMEFWGNLEKDEGLRQTVSKDLELVKEK
AVGKQLDLKLADNLDTLASAAAKLREDMAPYKEVREMWLKDTEALRAELTKDLEEVKEK
AVGKQLDLKLADNLDTLASAAAKLREDMAPYKEVREMWLKDTEALRAELTKDLEEVKEK
AVGKQLDLKLADNLDTLGAAAKLREDMAPYKEVREMWLKDTEALRAELTKDLEEVKEK
EY-KEYKMLTQSLDNLQYADATSSQLAPYSEAFGTQLTDAVAAVRAEVMKDVEELRQ
EF-KEYKQLSLSLDNLQYQATTSQSLAPYSEAFGAQLTDAVAAVRAEVMKDVEDVRTQ
EY-KEYKMLSLSLDNLQYFADSTSKSWPPTPRSS-APSCDATATVRAEVMKDVEDVRTQ
DY-EQYKLQSLSESLTKLQEYQATTSQALTPYAETISTQLMENKQLRERVMTDVEDLRQ
QY-AEFKTNLAQRIEEMYTQIKTLQGSVSPMTDSFYNTVMEVTKDTRSLNVDLEALKSS
. . : * : : * . : * : * : : .

HUMAN
Macaque
Bovine
Pig
Dog
Rabbit
Tree shrew
Mouse
Rat
Eur. Hedgehog
Chicken
Jap. quail
Domestic duck
Rainbow trout
Brown trout
Atl. salmon
Zebrafish
Sea bream

VQPYLDDFQKKWQEEEMELYRQKVEPLRAELQEGARQKLHELQEKLSPLGEEMRDRARAHV
VQPYLDDFQKKWQEEEMELYRQKVEPLRAELHEGTRQKLHELHEKLSPLGEEVRDRARAHV
VQPYLDEFQKKWHEEVEIYRQKVAPLGEEFREGARQKVQELQDKLSPLAQELRDRARAHV
VQPYLDDFQKKWQEEEMELYRQKMAPLGAEEFREGARQKVQELQEKLSPLAEELRDRARAHV
VQPYLDDFQKKWQEEVELYRQKVAPLGSELREGARQKLQELQEKLSPLAEELRDRARTHV
VQPYLDEFQKKWQEEEVERYRQKVEPLGAELRESARQKLTELQEKLSPLAEELRDRARTHV
TQPFLEIQQKWQEDLERYRQKVEPLSAQLREGARQKLMELQEQVTPLEGDLRDSVRAYA
VQPYLDEFQKKWKEDVELYRQKVAPLGAELQESARQKLQELQGRSLPVAEEFRDRMRTHV
MQPHLDEFQEKWNEEVEAYRQKLEPLGTELHKNA---KEMQRHLKVVAEEFRDRMRVNA
VQPYLDSFQKKVEEELLYRQKVAPLSAEWREQARQKAQELQKAGELGQHRDRVRTHV
IRPFLDQFSAKWTEEELEYRQRLTPVAQELKELTKQKVELMQAKLTPVAEEARDRLRGHV
IRPFLDQFSAKWTEEELEYRQRLAPVAQELKDLTKQKVELMQAKLTPVAEEARDRLRGHV
IRPFLDQFSAKWTEEELEYRQRLAPVAEELKELTKQKVELMQAKLTPVAEEARDRLRGHV
LEPKRAELKEVLDKHIDEYRKLEPLIKEHIELRRTEMAFRAKMEPIVEELRAKVAINV
LEPKRAELKEVLDKHIDEYRKLEPLIKEHIELRRTEMAFRAKMEPIVEELRAKVAINV
LEPKRAELTEVLNKHIDEYRKLEPLIKQHIELRRTEMAFRAKIDPVVEEMRAKVAVNV
LEPHRAELYTALQKHIDEYREKLEPVFQEYSALNRQNAEQLRAKLEPLMDDIRKAFESNI
LAPQNEQLKQVIEKHLNDYRLLTPIYNDYKTKHDEEMAALKTRLEPVMEELRTKIQANV
* . : : : * : * : : : *

0958107 20148560

Fig. 2a.2

HUMAN	DALRTHLAPYSDELQRRLAARLEALKENGGARLAEYHAKATEHLSTLSEKAKPALEDLRQ
Macaque	DALRTHLAPYSDELQRRLAARLEALKENGGARLAEYHAKASEHLSTLSEKAKPALEDLRQ
Bovine	ETLRQQLAPYSDDLQRRLTARLEALKEGGG-SLAEYHAKASEQLKALGEKAKPVLEDLRQ
Pig	EALRQHVAPYSDDLQRMAARFEALKEGGG-SLAEYQAKAQEQLKALGEKAKPALEDLRQ
Dog	DALRAQLAPYSDDLRRERLAARLEALKEGGGASLAEYHARASEQLSALGEKAKPALEDLRQ
Rabbit	DTLRTKLAPYSNELQQRLLAARLESIKEGGGASLAEYQAKAREHLSVLSEKAKPALEDLRQ
Tree shrew	DTLRTQLAPYSEQMRKTLGARLEAIKEGGGASLAEYHAKASEQLSALGEKAKPVLEDIHQ
Mouse	DSLRTQLAPHSEQMRESLAQRLLAELKSNP--TLNEYHTRAKTHLKTGEKAKPALEDLRH
Rat	DALRAKFGLYSDQMRENLAQRLEIRNHP--TLIEYHTKAGDHLRTLGEKAKPALDDLGO
Eur. Hedgehog	DALRTDLAPYGEEARKLLQLRQDIKAKSG-DLAEYQTKLSEHLKSFGEKAQPTLQDLRH
Chicken	EELRKNLAPYSDELQRKLQKLEEIREEKGIPOASEYQAKVMEQLSNLREKMTPLVQEFRE
Jap. quail	EELRKNLAPYSSELQRKLQKLEEIREEKGIPOASEYQAKVVEQLSNLREKMTPLVQEFKE
Domestic duck	EELRKNLAPYSDELQRKLQKLEEIREEKGIPOAAEYQAKVVEQLSNLREKMTPLVQDFKE
Rainbow trout	EETKTKLMPIVEIVRAKTERLEELRTLAAPYAEYKEQMIKAVGEVREKVSPLSEDFKG
Brown trout	EETKTKLMPIVEIVRAKTERLEELRTLAAPYAEYKEQMFKAUGEVEKVGPLTNDFKG
Atl. salmon	EETKTKLMPIVEIVRAKTERLEELRTLAAPYAEYKEQMFKAUGEVEKVPAPLSEDFKA
Zebrafish	EETKSKVPMVEAVRTKLTERLEDLRTMAAPYAEYKEQLVKAVEEAREKIAPHTQDLQT
Sea bream	EETKAVLMPMVETVRTKVTERLESLEVVQPYVQYKEQMKQMYDQA-QTVD--TDALRT
	: : . . : : : : ** : : . : :
HUMAN	GLLPVLESFKVSFLSALEEYTKKLNTQ
Macaque	GLLPVLESFKVSFLSALEEYTKKLSTQ
Bovine	GLLPVLESFKVSILAAIDEASKKLNAQ
Pig	GLLPVLENLKVSIILAAIDEASKKLNAQ
Dog	GLLPVLESFKVSLAAIDEATKKLNAQ
Rabbit	GLLPVLESFKASVQNVLDEATKKLNTQ
Tree shrew	GLMPMWESFKTGVNLVIDEAAKKLTA-
Mouse	SLMPMLETCLKTKAQSVIDKASETLTAQ
Rat	GLMPVLEAWKAKIMSMIDEAKKKLNA-
Eur. Hedgehog	GLEPLWEGIKAGAMSMLEELGKKLNSQ
Chicken	RLTPYAENLKNRLISFLDELQKSVA--
Jap. quail	RLTPYAENLKNRLIDLDELQKTMA--
Domestic duck	RLTPYAENLKTRFISLLDELQKTVA--
Rainbow trout	QVGPAAEQAKQKLLAFYETISQAMKA-
Brown trout	QVGPAAEQAKEKLMDFYETISQAMKA-
Atl. salmon	RWAPPPRRPSK--SSWLSTRPSARP--
Zebrafish	RMEPYMENVRTTFAQMYETIAKAIQA-
Sea bream	KITPLVEEIKVKMNAIFEIIAASVTKS
	*

09937107 11301

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

* : : *** . : ***** . * : ***** : ** . . *** ; *** : : ** : : : ***** . :

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

*****: .** : . : : ***** . : * : * : * : : : : ***** : *** : : * . : : *** . : *

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

: * : * : * : : : * * : : * * : : * : : * : * : * : * : : : * * : * * : * * : * * : : : : * : * : * :

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

* * : : * * : : * : * ** *** * ; * : * . , *** . : * : ** *** : . , **** : **

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

*:*****:*****:::*: . :*:*: . *: . *: :*:*****: * :*::::*

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

* ** *** *: ** *****:*. :**:**. :*:**.******. **: **:*. :*:**;;:

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

\vdots \star \cdot \vdots \vdots $\star\star$ \star \vdots \vdots

sp	P06727	APA4_HUMAN
sp	P33621	APA4_MACFA
sp	P06728	APA4_MOUSE
sp	Q28758	APA4_PAPAN
sp	O46409	APA4_PIG
sp	P02651	APA4_RAT

* * *

Fig. 3

5/23

Exon 1 Exon 2

Trimer stabilising

Tripple alpha helical coiled coil forming

E₁P₂P₂T Q K P K K I V N A K K D₁₆ V₁₇ V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V C L₅₁

Fig. 4

6/23

Position	d	e	f	g	a	b	c	d	e	f	g	a	b	c	d	e	f	g	a																	
Human tetranectin	V	V	N	T	K	M	F	E	E	L	K	S	R	L	D	T	L	A	Q	E	V	A	L	L	K	E	Q	Q	A	L	Q	T	V	C	L	K
Murine tetranectin	L	V	S	S	K	M	F	E	E	L	K	N	R	M	D	V	L	A	Q	E	V	A	L	L	K	E	K	Q	A	L	Q	T	V	C	L	K
Bovine cart. protein	R	R	V	K	E	K	D	G	D	L	K	T	Q	V	E	K	L	W	R	E	V	N	A	L	K	E	M	Q	A	L	Q	T	V	C	L	R
Shark cart. protein	S	K	S	G	K	G	K	D	D	L	R	N	E	I	D	K	L	W	R	E	V	N	S	L	K	E	M	Q	A	L	Q	T	V	C	L	K
Consensus	L											h	y	L	E	V	L	K	E	Q	A	L	Q	T	V	C	L									

Fig. 5

pT7 H6UbiF_x Apo A1

PBR328- (PvuII) - GATCTGATCCGCGGAATTAATACGATACACTATAGGAGACCACACGGTTTCCCTCTAGAAATAATTTTGTAACTTT
T7 promoter
AAGAAGGAGATATACATATGGATCGCATCACCATCACCATCAGGATCAGATCTTTGTGAAGACCCCTACTGGCAAAACCATCACCCCTTG
Nde I
M G S H H H H H H H G S Q I F V K T L T G K T I T L
E V E P S D T I E N V K A K I Q D K E G I P P D Q Q R L I F A
AGGTGAGCCAGTGACACCATTTGAGATGTCAAGCCCAAAATTCAGACAGGAGGTATCCACCTGACACGAGCGTCTGATATTTGCCG
G K Q L E D G R T L S D Y N I Q K E S T L H L V L R L R G G S
GCAACAGCTGGAAGATGGACGTACTTTGTCTGACTACAATAATTCAAAAGAGTCTACTCTTCATCTTGTGTTGAGACTTCGTGGTGGATCCA
Bam HI
TCGAGGGTAGGGTGGAGatgaacccccccagagccctctgggatacgagtgaaggacctggccactgtgtacgtgtgtctcaaaagacagcgagagac
I E G R G G D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
tatgtgtcccaagtccgcctctgggaaacacagctaaacctaaagctcctctgacaaactgggacagcggtgacccctccaccttcagcaagctg
Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cgcgaacagctcggccctgtgacccagaggtctctgggataacacctgggaaagagacagagggcctgagggcaggagatgagcaaggatctggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaggtgcagccctaccctgacgacttcacgaagaagtggcagagagatggagctctacgcgcccaagaggtggagccgtgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaagagggcgccagagctgcacgagctgcaagagagctgagccactggcgagagagatgcgcgaccgcgcgcgcgcctatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcatctggcccccctacagcagcagctgcgcagcgtctggccgcgcgtctgaggtctctcaaggagagacggcgccgag
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccaggtaccacgccaagggccacgcagcgtctgacacgctcagcgagaagcccaagcccgctcgaggaacctcccgccaagggcctgtgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgctgagagagcttcaaggtcagcttctgagcgtctctgagaggtacactaagaagagctcaacacccagTAAGCATGCAAGCTTGAATTCGGATCC
V L E S F K V S F L S A L E E Y T K K L N T Q STOP SphI HindIII EcoRI

GGCTGCTAACAAAGCCCGAAGGAGCTGAGTTGGCTGCCACCGCTGAGCTGAGCAATAACTAGCATACCCCTCTG

CCACCGTGTGGGCGCTCTAAACGGGTCTTGAGGGGTTTTTTGCTGAAGGAGGAATAATATCCGAT- (EcoRV) - pBR328.

Fig. 6

8/23

pT7 H6UbiFx Cys-Apo A1

pBR328 - (PvuII) - GATCTCGATCCCGCGAAATTAATACGATACACTATAGGAGACCAACGGTTTCCCTCTAGAAATAATTTTGTAACTTT

T7 promoter

AAGAAGGAGATATACATATGGATCGCATCACCATCACCAGGATCACAGATCTTTGTGAAGACCCCTACTGGCAAAACCATCACCCCTTG

Nde I

E V E P S D T I E N V K A K I Q D K E G I P P D Q Q R L I F A
AGGTCGAGCCAGTGACACCATTTGAGATGTCAAAGCCAAATTCAGACAGGAGGTATCCACCTGACACGACGCTCTGATATTTGGCGG
G K Q L E D G R T L S D Y N I Q K E S T L H L V L R L R G G S
GCAACACGCTGGAAGATGGACGTACTTTGTCTGACTACAATATCAAAAGGAGTCTACTTCTTCATCTTTGTGTGAGACITTCGTGGTGGATCCA

Bam HI

TCGAGGTTAGGGTGGATGTgatgaacccccccagagccctgggagtcgagtgaaagacactggccactgtgtacgtggatgtgctcaagacagcggcagagac
I E G R G G C D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
tatgtgtccagtttgaggctccgcttggaacacagctaaacctaagctcttgacaactggacagcgtgacccctccaccttcagcaagctg
Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cgcaacacagctcgccctgtgacccagagttctggataacctggaaaaggagacagagggcctgaggcagagatgagcaaggatctgaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaaggtgcagccctacgtggacgacttccagaagaagtggcaggagagatggagctctaccgcaagaaggtggagccgtgcgcga
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaaagggcgccagaaagctgcacgagctgcaagagaagctgagccactggcgagagagatgcgcgaccgcgcgcgcctatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgacgcatctggccctacagcagcagctggcccgcccttgccgctctcaaggagaaacggcgccgcaga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccgagtagcacgccaaggccacgagcatctgagcacgctcagcagagaaggcccgccgctcgaggaacctccgcaaggccctgctgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgctggagagcttcaaggtcagcttctcgtgagcgtctcgtgagagtagtacactaagaagagctcaacacccagTAAGCATGCAAGCTTGAATTCGGATCC
V L E S F K V S F L S A L E E Y T K K L N T Q STOP SphI HindIII EcoRI

GGCTGTACAAGCCCGAAAGGAGCTGAGTTGGCTGGCTGCCACCGCTGAGCTGAGCAATAACTAGCATACCCCTCTG

CCACCGCTGTGGGCCTCTAAACGGGTCTTGAGGGGTTTTTTTGTGAAGAGGAGGAATAATATCCGAT - (EcoRV) - pBR328.

Fig. 7

pT7H6 Trip-A-Apo A1 - Amp^R.

pBR328 - (PvuII) - GATCTCGATCCCGGAAATTAATACGATACACTATAGGAGACCAACCGTTTCCCTCTAGAAATAATTTTGTAACTTTAAGAAGGAGAT
T7 promoter
M G S H H H H H G S I Q G R S P G T E P P T Q K K K I V N A K K
ATACATATGGGATCGCATCACCATCACGGATCGATCCAGGTAGATCTCCTGTACCGAGCCACCAACCCAGAAGCCCAAGAGATTGTAATGCCAAGAAA
Bgl II Kpn I
D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
GATGTTGTGAACACAAAGATGTTTGGAGGAGCTCAAGAGCCGCTCTGGACACCCCTGGCCCGAGGAGTGGCCCTGCTGAAGGAGCAGCAGGCCCTGCAGACGGTCTCCCTG
Bam HI
AAGGATCCGatgaacccccccagagccccctgggacgcagtgagtgaaaggacccctggccactgtgtacgtggatgtgctcaaaagacagcggcagagac
K G S D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
tatgtgtccagtttgaaggctccgcttgggaaaaacagctaaacctaagctccttgacaactgggacagcgtgacccctccaccttcagcaagctg
Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cgcgaacagctcggccctgtgacccaggttctctgggataacccctggaaaaaggagacagagggccctgagggcagggagatgagcaaggatctggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaaggtgcagccctacctggacgaacttccagaagaagtggcagggagatgagagctctaccgccagaagggtggagccgctgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaagagggcgccagaaagctgcacgagctgcaagagaagctgagcccaactgggagagagatgcgcgacccgcgcgcgcgcctatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcacgtgtggcccccctacagcgacgagctgcgcagcgttggccgcgccttgaggctctcaaggagaaacggcgccagaga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccagtagtaccacgcaaggccacgagcatctgagcacgctcagcagaaggccacgctcgcgtcgcaggaacctccgcgaaggccctgctgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgctggagagcttcaagggtcagcttccctgagcgctctcgcagggagtacactaagaagctcaacacccagTAATAAGCTTGAATTCGGATCCGGCTGCTAA
V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
CAAAGCCCGAAAGGAAGTGAAGTTGGCTGCCCTGCCACCGCTAGCTAGCAATAACTAGCATAAACCCCTCTGCCACCGCTGTGGGGCCCTCTAAACGGGTCTTTGAGGGG
TTTTTTGCTGAAAGGAGGAACCTATATCCGAT - (EcoRV) - pBR328.

bpBR328~ (PvuII) -GATCTCGATCCCCGGAATTAAACGATACACTATAGGAGACCAACGGTTTCCCTCTAGAAATAATTTTGTTTTAACTTTAAGAAGGAGATATA

T7 promoter

M G S H H H H H G S I E G R

CATATGGGATCGCATCACCATCACCATCCGATCCATCGAGGGTAGG

Nde I

Bam HI

GGTGGATGTgataaacccccccagagccccctgggatcgagtgaaggacctggccactgtgtactgtggatgtgtctcaaaagacagcgccagagac
G G C D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
tatatgtgtccagtttgaaggctcgccttgggaaaaacagctaaaacctccttgacaaactgggacagcgtgacctccaccttcagcaagctg
Y V S Q Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cgcgaacagctcggccccctgtgacccagagttctgggataaacctggaaaaaggagacagagggcctgaggcaggagatgagcaaggatctcggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggcccaaggtgcagccctactctggaagacttcacagaagaagtggcaggaggagatggagctctaccgccagaaggtggagccgctgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaagagggcgcgccagagctgcacgagctgcaagagaagctgagccactggcgaggagatgcgacccgcgcgcgcctatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcatctgccccctacagcgacgagctgcgcagcgcttggcgcgccttgaggctctcaaggagaacggcgcgcaga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggcggagtaccacgccaagggccacgagcatctgagcacgctcagcgagaaggccaagccgcgcctcgaggacctccgcaaggcctgctgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgtgggagagcttcaaggtcagcttctctgagcgctctcagggagtacactaagaagctcaacacccagTAAGCATGTCAAGCTTGAATTCGGATCC
V L E S F K V S F L S A L E E Y T K K L N T Q STOP Sphi HindIII EcoRI

GGCTGCTAACAAAGCCGAAAGGAGCTGAGTTGGCTGGCTGCCACCGCTGAGCTGAGCAATAACTAGCATAACCCCTCTG

CCACCGCTGTGGGGCCTCTAAACGGGCTCTTGAGGGGTTTTTGTCTGAAGGAGGAAGTATATCCGAT-(EcoRV)-pBR328.

pT7H6 Trip-A-Apo A1 K9A K15A - Amp^R.

ppBR328 - (PvuII) - GATCTCGATCCCGGAAATTAATACGATACACTATAGGGAGACCAACACGGTTTCCCTCTAGAAAATAATTTTGTTTAACTTTAAAGAGGAGAT

T7 promoter

M G S H H H H H G S I Q G R S P G T E P P T Q K P K A I V N A K A
ATAATATGGATCGCATCACCATCACCATCGGATCGATCCAGGTAGATCTCTGGTACCGCACCAACCCAGAACCCCAAGCGATTTGTAATGCCAAGGCA

Bgl II Kpn I

D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
GATGTTGTGAACAAAGATGTTTGAGGAGCTCAAGAGCCGCTCTGGACACCCTGGCCCGAGGAGGTGGCCCTGCTGAAGGAGCAGAGGCCCTTGCAGACGGTCTTCCCTG

Bam HI

AAGGATCCGatgaacccccccagagccccctgggatcgagtgaaggacccctggccactgtgtacgtgtggtgtgctcaagacagcggcagagac
K G S D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
tatgtgtccccagtttgaaggctccgcttgggaaaaaacagctaaacctaagctccttgacaaactgggacagcgtgacctccaccttcagcaagctg
Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cgcgaacagctcgccctgtgacccaggagttctgggataacctggaaaaaggagacagagggccctgaggcaggagatgagcaaggatcttgaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaggtgcagccctacctggacgacttccagaagaagtggcaggagagatggagctctaccgccagaagtgtgagccgctgcgcga
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaagagggcgccagagctgcaagagactgcaagagaagctgagcccaactgggcgaggagatgcgcgaccgcgcgcgccccatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcatctggccccctacagcagcagctgcgccagcgttggccgcgccttgaggctctcaaggagaacagcgcgccga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccgagtagtaccacgccaagggccaccgagcatctgagcacgctcagcgagaaggccaagcccgctcgaggacctccgccaagccctgctgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgctggagagcttcaaggtcagcttccgtgagcgctctcgaggagtagctacactaagaagctcaacacccagTAATAAGCTTGAATTCGGATCCGGCTGCTAA
V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI

CAAAGCCGAAAGGAAGTGTGGTGGCTGCTGCCCCAGCTGAGCTGAGCAATAACTAGCATAAACCCCTCTGTCCACCGCTGTGGGGCCTCTAAACGGGTCTTTGAGGGG
TTTTTTGCTGAAAGGAGGAAGTATATCCGAT - (EcoRV) - pBR328.

pT7H6 Trip-A-Fn-Apo A1-final - Amp^R.

pBR328 - (PvuII) - GATCTCGATCCCGGAAATTAATACGATACACTATAGGGAGACCAACAGGTTTCCCTCTAGAAAATAATTTGTTTAACTTTAAGAAGGAGAT

T7 promoter

M G S H H H H H G S G S I Q G R S P G T E P P T Q K P K I V N A

ATACTATAGGATCGCATCACCATCACCATCACGATAGTGGTAGTGATCAATCCAGGGTAGATCTCCTGGTACCGAGCCACCAACCCAGAGCCCAAGAGATTTGTAATGCG

Bgl II Kpn I

K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L

aAGAAAGATGTTGTGAACACAAAGATGTTTGGAGACTCAAGAGCCGCTGTGGACACCCCTGGCCAGGAGGTGGCCCTGCTGAAGGAGCAGAGGCCCTGCAGACGGTCTCCCTG

Bam HI

AAGGGAACCTGGTcaggatgaacccccccagagccccctgggacgcagtggaaggacctggccactgtgtacgtggatgtgctcaaaagacagcggcagagac

K G T s g q D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D

tatgtgtcccgatttgaaggctccgcttgggaaaacagctaaacctccttgacaaactgggacagcgtgacctccaccttcagcaagctg

Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L

cggaacagctcgccctgtgacccaggagttctgggataacctggaaaaaggagacagagggcctgagggcaggagatgagcaaggatctggaggag

R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E

gtgaaggccaaaggtgcagccctacctggacgacttccagaagaagtggcaggaggagatggagctctaccgcccagaaggtggagccgctgcgcga

V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A

gagctccaagagggcgcgccagaagctgcacgagctgcaagagaagctgagcccaactggcgaggagatgcgcgacccgcgcgcgcccatgtg

E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V

gacgcgctgcgcacgcatctggccctacagcgacgagctgcgccagcgttggccgcgccttgaggtctcaaggagaacggcgcgccaga

D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R

ctggccgagtagtaccacgccaaggccacgagcatctgagcagctcagcgagaaggcccaagcccgctcgaggaacctcgccaaggcctgctgccc

L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P

gtgctggagagcttcaaggtcagcttctgagcgtctctgaggtgtagtacctcaagaagctcaacacccagTAATAAGCTTGAAATTCGGATCCGGCTGCTAA

V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI

CAAAGCCGAAAGGAAGTGAAGTGGCTGCCTGCCACCGCTGAGCTGAGCAATAACTAGCATAACCCCTCTGCGCACCGCTGTGGGGCCCTCTAAACCGGCTCTTGAGGGG

TTTTTTCGCTGAAAGGAGGAAGCACTATATCCGAT - (EcoRV) - pBR328.

Fig. 10e

pT7H6 (GS) 3 Trip-A-Tn-Apo A1 Amp^R.

pBR328- (PvuII) -GATCTCGATCCCGGAAATTAATACGATACACTATAGGAGACCACAACGGTTTCCCTCTAGAAATAAATTTTGTAACTTTAAGAGGAGAT
T7 promoter
M G S H H H H H H H G S G S I Q G R S P G T E P P T Q K P K K I V N A
ATACATATGGGATCGCATCACCATCACCATCAGGTAGTGGTAGTCCAGGGTAGATCTCCTGGTACCGAGCCACCACCAAGAGCCCAAGAGATTGTTAAATGCC
Bgl II Kpn I
K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
aGAAAGATGTTGTGAACACAAAGATGTTTGGAGAGCTCAAGAGCCGCTGTGGACACCCTGGCCAGGAGGTGGCCCTGTGAAGGAGCAGAGCCCTGCAGACGGTCTCCCTG
Bam HI
AAGGGATCCAAGGTGCACATGAAGgaacccccccagagccctgggatcgagtgaaaggacctggccactgtgtacgtggatgtgtcctcaagacagcggc
K G S K V H M K D E P P Q S P W D R V K D L A T V Y V D V L K D S G
agagactatgtgtccagttgaaggctcgccttgggaaacagtaaacctaaagctccttgacaaactgggacagcgtgacctccaccttcagcaagctg
R D Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cgcgaacagctcggccctgtgacccagagttcttgggataaacctggaaaggagacagagggcctgagcgagagatgagcaaggatctggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaaggtgcagccctacctggacgacttcagaagaagtggcaggagagatggagctctaccgccagaaggtggagcgcgtgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagtcacaagagggcgccagaaagctgcacgagctgcaagagaagctgagccactggcgagagatgagcgacccgcgcgcgcctatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcatctggcccccctacagcagagctgcgcagcgcgttggccgcgccttgaggtctcaaggagaacggcgccaga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccgagtagtaccacgcaaggccacgagcatgtgacacgctcagcagagaaggccaagcccgctcgaggaacctccgcaaggcctgctgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgtggagagcttcaaggtcagcttccctgagcgtctcagagtagtacactaagaagctcaacacccagTAATAAGCTTGAATTCGGATCCGGCTGTAA
V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
CAAGCCGAAAGGAAGCTGAGTTGGCTGCCACCGCTGAGCTGAGCAATAACTAGCATAACCCCTCTGCCACCGCTGTGGGGCCTCTAAACGGGTCTTGAGGGG
TTTTTTGTGTAAGGAGGAATATCCGAT- (BcorV) -pBR328.

TCTTT 20728560

pT7H6 Trip-A-Tn-Apo A1-final - Amp^R.

pBR328- (PvuII) - GATCTCGATCCCGGAAATTAATACGATACACTATAGGAGACCAACGGTTTCCCTCTAGAAATAATTTGTGTTTAACTTTAAAGAAGGAGAT
 T7 promoter
 M G S H H H H H H H G S G S G S I Q G R S P G T E P P T Q K P K K I V N A
 ATACATATGGGATCGCATCACCATCACCATCAGGTAGTGGTAGTGGATCAATCCAGGGTAGATCTCCTGGTACCGAGCCACCACCAAGCCCAAGAAGATTGTAATGCC
 Bgl II Kpn I
 K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
 aAGAAAGATGTTGTGAACACAAGAAGATGTTTGGAGAGCTCAAGAGCGCTTGACACCCCTGGCCAGGAGGTGGCCCTGTCTGAAGGAGCAGCAGGCCCTGCAGACGGTCTCCCTG
 Bam HI
 AAGGAACCAAGGTGCACATGAAGaaacccccccagagccccctgggacgcagtgaaggacctggccactgtgtacgtggtgtgtctcaaaagacagcgcc
 K G T K V H M K D E P P Q S P W D R V K D L A T V Y V D V L K D S G
 agagactatgtgtcccagtttgaaggctccgccttgggaaaaacagctaaccctaaagctccttgacaaactgggacagcgtgacctccaccttcagcaagctg
 R D Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
 cgcgaacagctcgccctgttgacccagaggttctgggataaacctggaaaaaggagacagagggccctgaggcaggagatgagcaaggatctggaggag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaaggtgcagccctacctggacgacttccagaagaagtggcaggaggagatggagctctaccgcccaagaaggtggagccgctgcgcgca
 V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
 gagctccaagagggcgccagaaagctgcacgagctgcaagagaagctgagccccactggcgaggagatgcgcgaccgcgcgcgccccatgtg
 E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
 gacgcgtgcgcacgcatctggccccctacagcgacgagctgcgccagcgttggccgcgcgccttgaggctctcaaggagaacggcgccagaga
 D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
 ctggccgagtagtaccacgcaaggccagcagcatctgagcagcgtcagcgagaaggcccaagcccgctcgaggacctccgccaaggcctgctgccc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
 gtgctggagagcttcaaggtcagcttctgagcgtctctcagggagtagacactaagaagctcaacacccagTAATAAGCTTGATTCGGATCCGGGTGCTAA
 V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
 CAAAGCCGAAAGGAAGCTGAGTGGCTGCCACCGCTGAGCTGAGCAATAACTAGATACCCCTCTGCCACCGCTGTGGGGCTCTAAACGGGTCTTGAGGGG
 TTTTGTGCTGAAAGGAGGAACATATCCGAT- (EcoRV) -pBR328.

pT7H6 Trip-A-Tn-Apo A1 final K9AK15A- Amp^R.

Fig. 10g

PBR328- (PvuII) -GATCTCGATCCCGCGAAATTAAATACGATACACTATAGGAGACCACACCGGTTCCCTCTAGAAATAATTTTGTAACTTTAAAGAGAGAT
T7 promoter
M G S H H H H H G S G S I Q G R S P G T E P P T Q K P K A I V N A
ATACATATGGGATCGCATCACCATCACCATCAGGTAGTGGTAGTGGATCAATCCAGGTAGATCTCTGTACCGAGCCACCACCCAGAAAGCCCAAGCGGATTGTAAATGCC
Bgl II Kpn I
K A D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
AAGCAGATGTTGTGAACACAAAGATGTTTGAGGAGCTCAAGAGCCCTCTGGACACCCTGGCCAGGAGGTGGCCCTGCTGAAGGAGCAGCAGGCCCTGCAGACGGTCTCCCTG
Bam HI
AAGGGAACCAAGGTGCACATGAAGGAACCCCCCAGAGCCCCCTGGGATCGAGTGAAGGACCTGGCCACTGTGTACGTGGATGTGCTCAAGACAGCGGC
K G T K V H M K D E P P Q S P W D R V K D L A T V Y V D V L K D S G
agagactatgtgtccagtttgaggctccgcttgggaaacacagctaaacctgacaaactgggacagcgtgacctccaccttcagcaagctg
R D Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
cggaaacagctcggccctgtgacccagggagttctgggataacctggaaaggagacagagggccctgagggcagggagatgagcaaggatctggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaggtgcagccctacctggacgacttccagaagaagtggcaggaggatggagctctaccgccagaaaggtggagccgtgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaagaggcgccagaaagctgcacgagctgcaagagaagctgagccactggcgaggagatgcgcgaccgcgcgcgcgcctatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcatctggccccctacagcagcagctgcgccagcgttggccgcgccttgaggctctcaaggagaacgagggcgccaga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccagtagtaccacgccaagccacgagcatctgagcacgctcagcagagggccaagcccgctcgaggaacctccgccaaggcctgctgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgctggagagcttcaaggtcagcttctcgtgagcgtctcgtgaggtacactaagaagctcaacacccagTAATAAGCTTGAATTCGGATCCGGCTGTCTAA
V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
CAAAGCCCGAAGGAAGCTGAGTTGGCTGCCTGCCACCGCTGAGCTGAGCAATAACTAGCATAAACCCCTCTGCCACCGCTGTGGGGCTCTAAACGGGTCTTGAGGGG
TTTTTTGCTGAAGGAGGAACCTATATCCGAT- (EcoRV) -pBR328.

pT7H6 Hp-alpha-Apo A1 - Amp^R.

pBR328 - (PvuII) - GATCTCGATCCCGCGAAATTAATACGATACACTATAGGAGACCAACAGGTTTCCCTCTAGAAAATAATTTGTTTAACITTAAGAGGAGAT

T7 promoter

M G S H H H H H G S I Q G R G V D S G N D V T D I A D D G C P K P P E
ATACATATGGGATCGCATCACCATCACGGATCCAGGTTAGAGTGTGGactaggcaatgatgtcacggatcgcagatgacggctgccgaagccccccgag
attgcacatggctatgtggagcactcggttcgctaacagtgtaagaaactactacaaactgcacagaaggagatggagtatacaccttaaacatgagaagcag
I A H G Y V E H S V R Y Q C K N Y Y K L R T E G D G V Y T L N N E K Q
tggtataataaaggctgttgtagataaaacttcctgaatgtgaagcagtagctgggaagcccaagaatcgggcaaacccagtgcgagAGATCC
W I N K A V G D K L P E C E A V A G K P K N P A N P V Q R S
gatgaacccccagagccccctgggatcgagtgaaaggacctggccactgtgtactgtgtgtctcaaaagacacagcggcagagac
D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
tatgtgtccagtttgaaggctccgccttgggaaaaacagctaaaccttaagctccttgacaaactgggacagcgtgacctccaccttcagcaagctg
Y V S Q F E G S A L G K Q L L N L K L D N W D S V T S T F S K L
cgcgaacagctcggccctgtgacccaggaagtcttgggataacctggaaaaaggagacagagggcctgagcagaggagatgagcaaggatcttggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
gtgaaggccaaggtgcagccctacctggacgacttccagaagaagtggcagaggagatggagctctaccgccagaaggtggagccgctgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaaaggcgcgcgcagagaagctgcacgagctgcaagagaagctgagccactgggcgaggagatgcgcgaccgcgcgcgcccatgtg
E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
gacgcgtgcgcacgcacatctggccccctacagcgacgagctgcgccgcttggccgcgccttgaggctctcaaggagaacggcgcgcgcaga
D A L R T H L A P Y S D E L R Q R L A A R L E A L K E N G G A R
ctggccgagtlaccacgccaaggccacggagcatctgagcacgctcagcgagaaggcccaagcccgctcgaggacctccgccaaggcctgtgccc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
gtgctggagagcttcaaggctcagcttcctgagcgcctctcgaggaggtacactaagaagctcaacacccagTAAATAGCTTGAATTCGATCCGCGCTGCTAA
V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI

CAAAAGCCGAAAGGAAGCTGAGTTGGCTGCCACCGCTGAGCTAGCAATAAAGCTAGCATAAACCCCTCTGTGCCACCGCTGTGGGCGCTCTAAACGGGTCTTGAGGGG
TTTTTTTGCTGAAAGGAGAACTATATCCGAT - (EcoRV) - pBR328.

Fig. 11

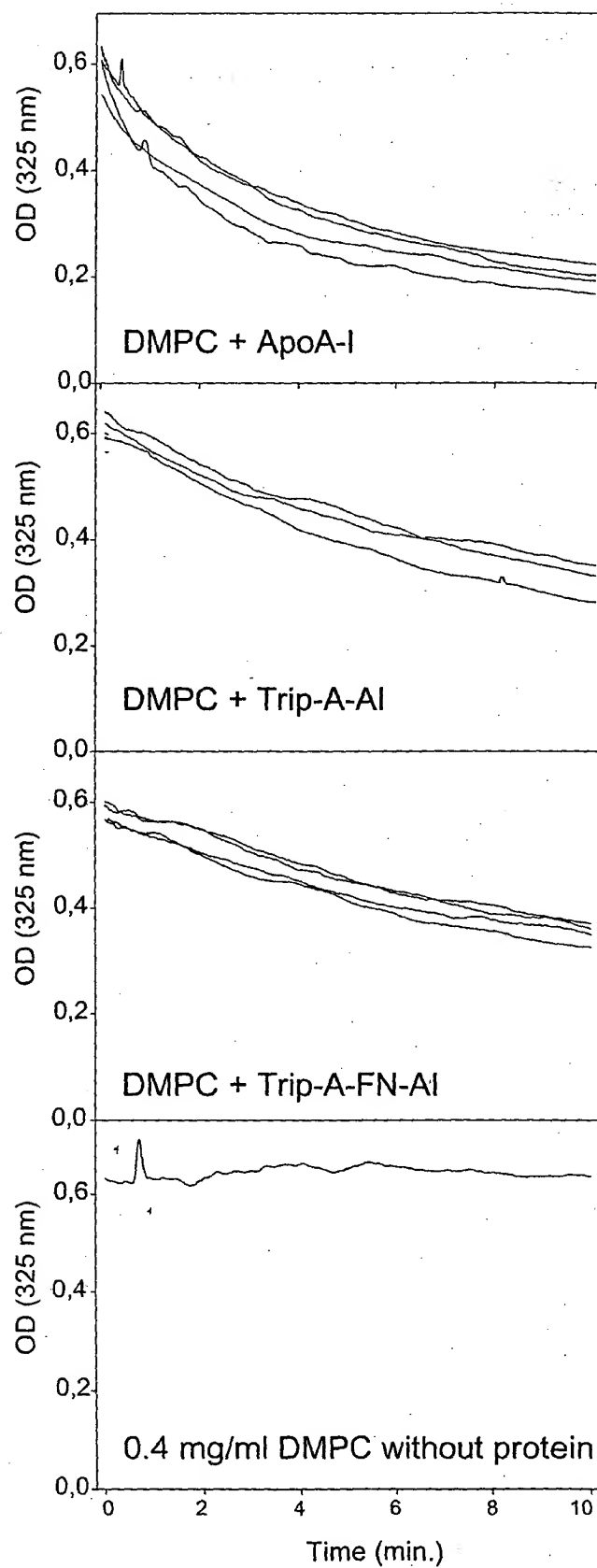
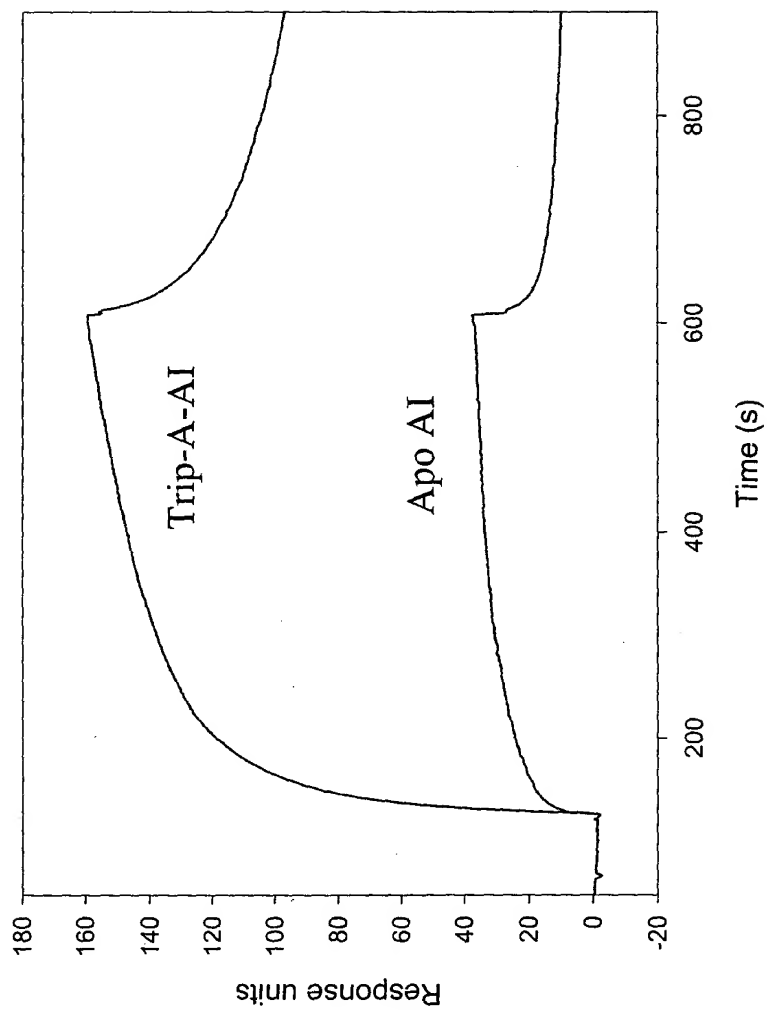


Fig. 12

Binding of apo A-I and Trip-A-I to immobilised cubilin



TOEFTT" 20T28660

Fig. 13

22/23

Superdex 200 analysis of apolipoprotein A-I derivatives

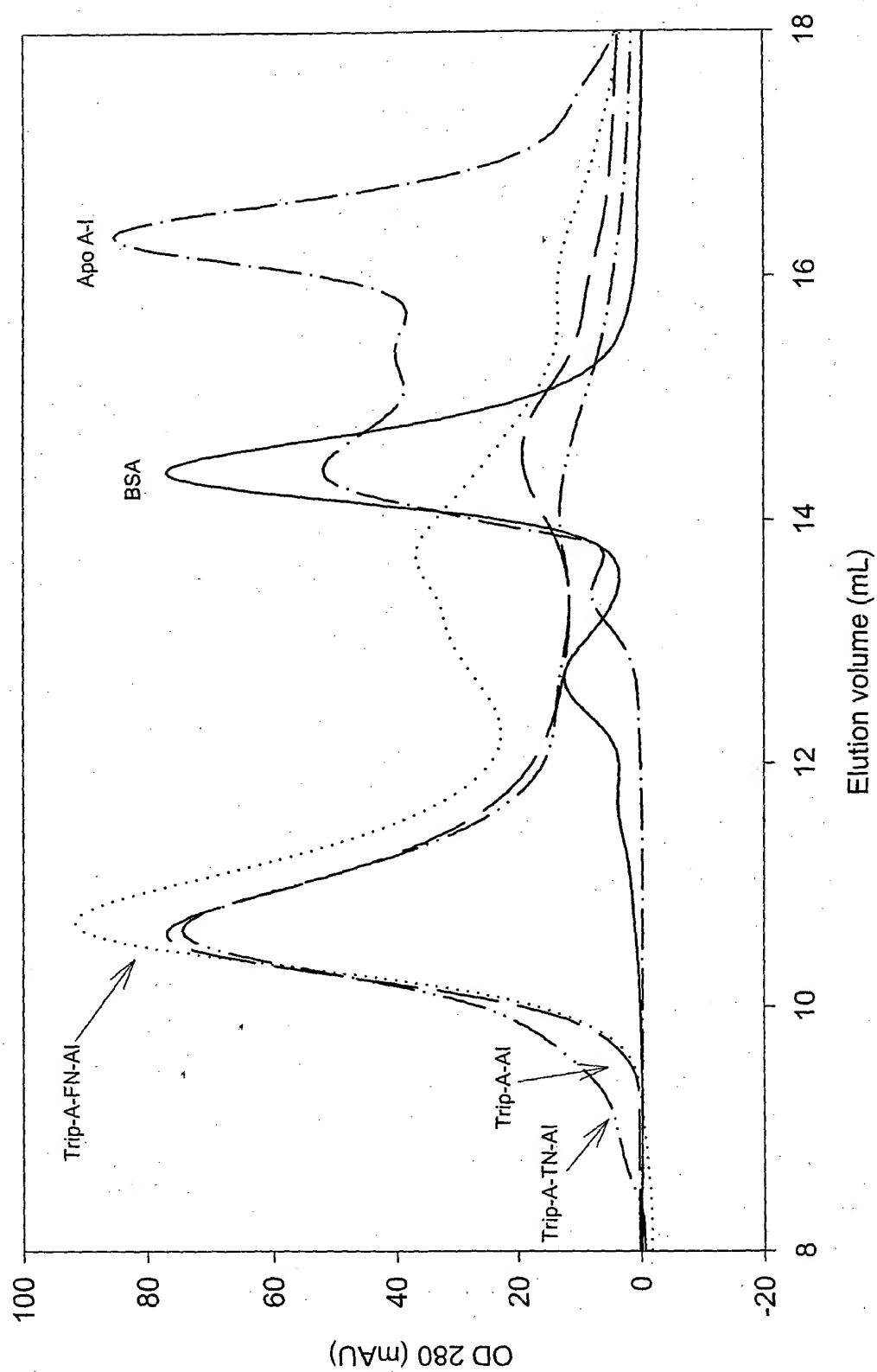
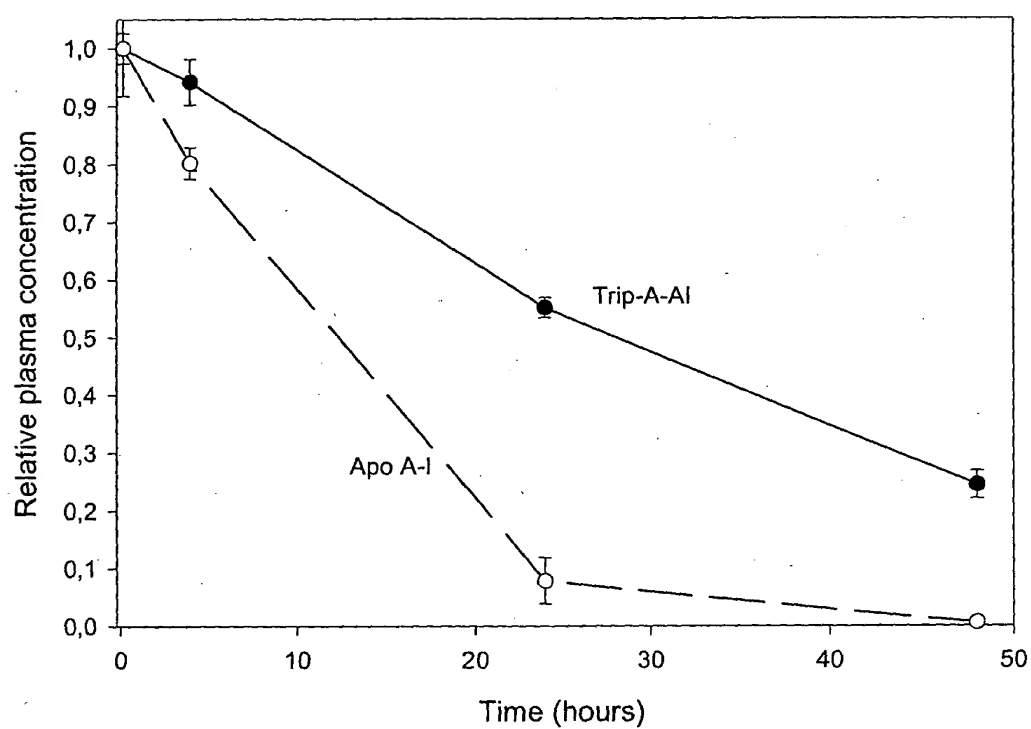


Fig. 14

Comparison of the plasma concentration of
Trip-A-A-I and Apo A-I over a 2 days period after
injection of 1 mg, mean of five mice



TOFTT 20128660